

Lesson 2

LI: To explore how volcanoes are formed and understand the process of eruption

Success Criteria:

I can understand how volcanoes are formed

I can locate volcanoes around the world

I can understand the process of a volcanic eruption

Key vocabulary

Tier 2 Words

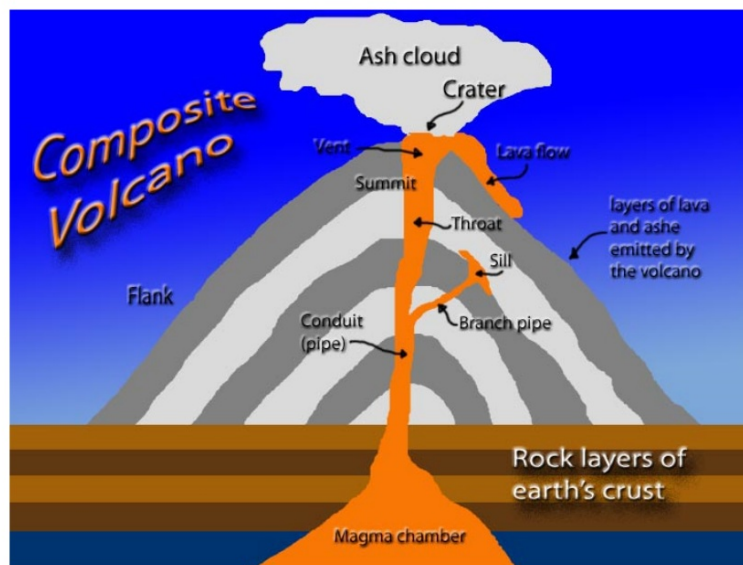
**eruption
volcano
witness**

Tier 3 Words

**active
dormant**

Why do volcanoes erupt?

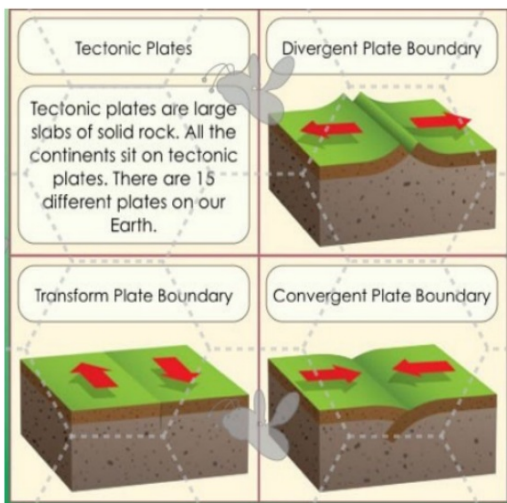
The Earth's crust is made up of huge slabs called plates, which fit together like a jigsaw puzzle. These plates sometimes move. The friction causes earthquakes and volcanic eruptions near the edges of the plates. The theory that explains this process is called plate tectonics.



What are plate tectonics?

The theory of plate tectonics is a interesting story of continents drifting from place to place – breaking apart, colliding, and grinding against each other.

The plate tectonic theory is supported by a wide range of evidence that considers the earth's crust and upper mantle to be composed of several large, thin, relatively rigid plates that move relative to one another.

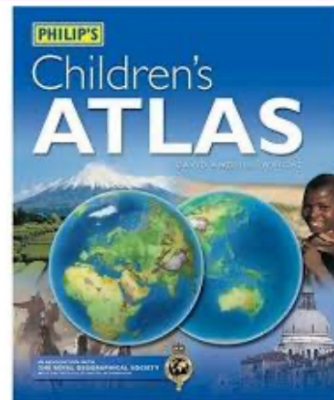


The plates are all moving in different directions and at different speeds. Sometimes the plates crash together, pull apart or sideswipe each other. When this happens, it commonly results in earthquakes.

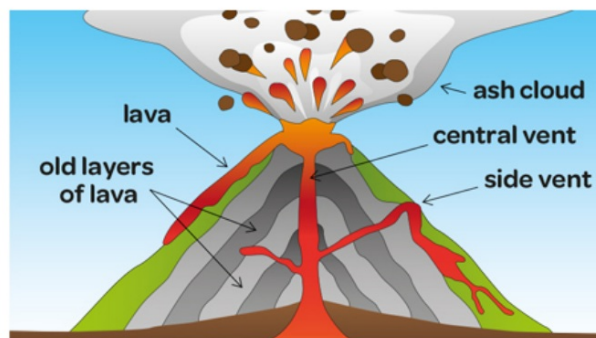
Volcanoes are present all over the world



Using an atlas, we are going to name the continent that the volcanoes Erebus, Krakatau and Mount Vesuvius are in.



A **volcano** is formed when hot molten rock, ash and gases escape from an opening in the Earth's surface. The molten rock and ash solidify as they cool, forming the distinctive **volcano** shape shown here. As a **volcano** erupts, it spills lava that flows downslide. Hot ash and gases are thrown into the air.





Children to take notes during the video



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Task 1:

Using your notes write a simple explanation of how volcanoes are formed and why they erupt.